



## Full-Flight Simulator

# AIRBUS HELICOPTERS H145 (FT82)

Location Lufthansa Aviation Training, Frankfurt (Simulator-ID: FT82)

SIMULATOR	
<b>Simulator Manufacturer</b>	Reiser Simulation and Training
<b>In Service Date</b>	August 2020
<b>Aircraft Model</b>	MBB-BK117 D-2/H145
<b>Motion System</b>	Electro-mechanical motion system (Moog EMM 2nd Gen 6 DOF), 62.5 inch
<b>Vibration Platform</b>	Electro-mechanical vibration system (Moog 3 DOF)
<b>Control Loading</b>	Digital, electric
AIRCRAFT SYSTEM	
<b>Engine Version</b>	Safran Turbomeca ARREIL 2E with FADEC Control
<b>Avionics</b>	Helionix® Step 2 or Step 3 Avionics Suite – Flight Display Subsystem – Dual/Single Pilot IFR Capable
<b>AFCS</b>	Four-Axis Automatic Flight Control System
<b>EFIS</b>	Three-Panel Flight Display Subsystem (FDS) – Pilot & Copilot Flight Navigation Displays & Vehicle Monitoring Display
<b>STBY</b>	Integrated Electronic Standby Instrument (IESI) & Standby Compass

<b>FMS</b>	Dual Garmin GTN™ 750 Touchscreen SBAS GPS/NAV/COMM/MFD's with WAAS/LPV Interface with Flight Display Subsystem
<b>AUDIO</b>	Dual Becker ACU6100 Audio Control Units
<b>COMM</b>	Dual Garmin GTN™ 750 16 Watt Integrated VHF COMM Transceivers
<b>COMM (PPDR)</b>	CARLS HBE767M TETRA- and Analogue BOS (PPDR) Radio System
<b>COMM (PPDR)</b>	Technisonic TFM-138 Series Airborne VHF/FM Transceiver
<b>GPS</b>	Dual Garmin GTN™ 750 Integrated SBAS/WAAS GPS Receivers
<b>NAV</b>	Dual Garmin GTN™ 750 Integrated NAV Receivers
<b>MM/SA/MMS</b>	EuroNav 7 Moving Map, Situational Awareness and Mission Management System
<b>XM/WX</b>	Garmin integrated RDR 2000 Weather radar
<b>HTAWS</b>	Helicopter Terrain Awareness and Warning System
<b>TAS</b>	Avidyne TAS620 Traffic Advisory System
<b>Additional Equipment</b>	Air Conditioning System (ACS); Fuel Management System (FF Meters); Inlet Barrier Filter System; NVG Compatible Standard Cockpit; Single/dual external cargo hook; Trakkabeam® Searchlight;
<b>VISUAL</b>	
<b>Visual System Manufacturer</b>	Quantum 3D
<b>Type of Image Generator</b>	IDX 8000
<b>Type of Display</b>	10ft Dome, 240° x 80° FOV, 8 channel Norxe LED / IR Projection
<b>Eye Point</b>	Switchable: Pilot (right), Copilot (left) and center
<b>Illumination Levels</b>	Day/Dusk/Dawn/Night/Stimulated NVG - Full, half, quarter and no moon
<b>Landing Sites</b>	Geo-specific (including elevated FATO, helidecks and confined areas)
<b>Main Training Areas</b>	Three geo-typical terrain (for cross-country, offshore and mountain areas)
<b>THIRD CREW MEMBER STATION</b>	
<b>Location</b>	Right, aft cabin
<b>Hardware</b>	Seat and side wall/door
<b>Type of Display</b>	Mixed Reality goggles
<b>Simulation of</b>	Fixed rope, Helicopter Hoist Operation (coming soon)

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 INSTRUCTOR STATION
 

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**Display**

 Two LCD touch screens mounted on IOS, one remote tablet IOS
 

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**Printer/Plotter**

 Laser Printer
 

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**Landing Terrain**

 Individual definition of generic airfields or isolated ICAO helipads. (Runway characteristics: Dimension / orientation / threshold; generic markings; windsock; tower; runway generic standard lighting; ICAO helipad windsock, H marking, no lighting)
 

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**Multiple Weather Simulation**

 Available
 

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**ACAS**

 Various scenarios with individual definition of intruders and intruders trajectory available
 

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**ATIS**

 available
 

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**HTAWS**

 available
 

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**Debrief Station/Video/Recording**

 available
 

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**Display Options**

 Metric and/or imperial
 

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 QUALIFICATIONS
 

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**German LBA / Others:**

 EASA CS-FSTD (H), Level D / in preparation /on request
 

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**EASA-ID**

 DE-1H- N/A
 

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